
ANNUAL REPORT
JULY 1, 1971 - JUNE 30, 1972

DIVISION OF ANIMAL HEALTH

EDWARD M. DWYER

DIRECTOR

MASSACHUSETTS DEPARTMENT OF AGRICULTURE

NATHAN CHANDLER

COMMISSIONER

REPORT OF THE DIVISION OF ANIMAL HEALTH

July 1, 1971 - June 30, 1972

To the Commissioner of Agriculture:

In accordance with Section 38, Section 129, General Laws, Acts of 1932, I herewith submit the report of the Division of Animal Health for the fiscal year, July 1, 1971 to June 30, 1972 inclusive.

We are continuing the program of T.B. testing cattle once in three (3) years with the exception of dealer and problem herds being tested annually or more frequently if necessary.

We had ten (10) cases of Encephalomyelitis in horses and ponies reported in 1972 as compared to 55 cases in 1971.

Massachusetts continues to maintain its certified Free Brucellosis status according to Federal Regulations.

The Commonwealth was declared a Hog Cholera Free State on April 27, 1972.

The Laboratories reported eight (8) positive cases of Equine Infectious Anemia in horses. These animals are under permanent quarantine or have been destroyed.

The first outbreak of Venezuelan Encephalomyelitis in the United States occurred in Texas in this fiscal year. Three hundred and forty (340) have been vaccinated against this disease in Massachusetts. Also a vaccination program against Eastern and Western Encephalomyelitis was carried out in the Southeastern part of the State.

During the fiscal year the usual number of miscellaneous diseases was reported.

The Division, as for many years, is still receiving the excellent cooperation of the Animal Health Division, United States Department of Agriculture, for which we are most appreciative.

Following is information and statistics in detail covering the various activities of the Division.

Respectfully submitted,

Edward M. Dwyer
Edward M. Dwyer
Director

BOVINE TUBERCULOSIS

There were one thousand and seventy-four (1,074) tuberculin herd tests, forty-seven thousand two hundred and eighty-two (47,282) animal tests applied to which nineteen (19) head of cattle were declared reactors, as compared with one thousand two hundred and five (1,205) tuberculin herd tests and forty-two thousand three hundred and twenty (42,320) animal tests applied the previous fiscal year to which thirty-two (32) head of cattle reacted.

Of the nineteen (19) head of cattle declared to be reactors there were "no gross lesions" of tuberculosis reported at time of slaughter.

Two hundred and forty-one (241) herds containing four thousand five hundred and fifty-one (4,551) head of cattle, included in the census report of June 30, 1971, were disposed of by the owners prior to the census period ending June 30, 1972.

Eighty-three (83) herds containing one thousand two hundred and sixty-three (1,263) head of cattle, to which testing has not previously been conducted are included in the census report of the period ending June 30, 1972.

Tuberculin tests are conducted by State and Federal accredited veterinarians under a State and Federal Cooperative Plan for the establishment of tuberculosis-free herds and the eradication of bovine tuberculosis.

Following is a summary of the tuberculin tests as made by veterinarians for the twelve-month period of this report:

	HERDS	HEAD	REACTORS
Veterinarians paid by the State on a salary basis	716	33,084	19
Veterinarians paid by the State as Program Agents	353	13,560	
Veterinarians paid by the owner	5	638	
Veterinarians paid by the Federal Government on a salary basis	-	-	
	1,074	47,282	19

During the fiscal year owners were reimbursed for one (1) purebred cow and five (5) grade cows to the amount of \$386.12.

COUNTY CENSUSAS OFJUNE 30, 1972

<u>COUNTY</u>	<u>HERDS</u>	<u>HEAD</u>	<u>100 or More Head</u> <u>HERDS</u>	<u>HEAD</u>
Barnstable	4	126	-	-
Berkshire	346	12,085	25	3,852
Bristol	314	11,650	20	3,652
Dukes	17	128	-	-
Essex	150	4,518	9	1,529
Franklin	433	13,592	22	3,362
Hampden	238	5,206	2	205
Hampshire	359	11,283	19	2,872
Middlesex	205	6,096	11	1,825
Nantucket	1	36	-	-
Norfolk	103	2,536	4	609
Plymouth	184	7,139	11	3,703
Suffolk	-	-	-	-
Worcester	691	23,574	47	6,810
TOTALS	3,045	97,969	170	28,419

PRIVATE CALFHOOD VACCINATIONS

(OWNER'S EXPENSE)

<u>MONTH</u>		<u>HERDS</u>	<u>HEAD</u>
July	1971	37	166
August		21	104
September		53	489
October		40	216
November		72	424
December		26	210
January	1972	45	241
February		55	298
March		24	130
April		48	302
May		18	108
June		<u>38</u>	<u>204</u>
	TOTAL	477	2,892

BRUCELLOSIS

The Brucellosis program has been carried on in accordance with Chapter 129, General Laws as amended by Chapter 527, Acts of 1956.

During the fiscal year 1972 there were eighteen (18) cattle reactors (all grades). Reimbursement to owners amounted to four hundred and fifty dollars (\$450.00).

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Following is a tabulation of the results of laboratory examination of the blood samples from cattle under this program; also from goats and swine.

BRUCELLOSIS

7/1/71 - 6/30/72

	<u>NEGATIVE</u>	<u>REACTORS</u>	<u>SUSPICIOUS</u>	<u>OTHERS*</u>	<u>TOTAL</u>
Cattle	10,217	18	221	53	10,509
Goats	191	0	2	0	193
Swine	<u>480</u>	<u>3</u>	<u>1</u>	<u>3</u>	<u>487</u>
TOTALS	10,888	21	224	56	11,189

* Containers broken, insufficient amount of serum, hemolyzed.

Certified Herds: Cattle

Certified Brucellosis-Free Herds	14
Cattle in Certified Brucellosis-Free Herds	844

Certified Herds: Goats

Certified Brucellosis-Free Herds	10
Goats in Certified Brucellosis-Free Herds	61

Validated Herds: Swine

Validated Brucellosis-Free Herds	7
Swine in Validated Brucellosis-Free Herds	281

MILK RING TESTS

<u>Negative</u>	<u>Suspicious</u>	<u>Total</u>
4,723	4	4,727

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GOATS

7/1/71 - 6/30/72

This Division arranges for the Tuberculin testing and Blood testing of goats provided the owner signs an agreement to the effect that any goats declared as reactors to either test would be immediately disposed of for slaughter with no compensation allowed by the Commonwealth.

Under the new T. B. testing program, goats will be tested on the same basis as cattle, every three years.

Under this agreement one hundred and seventy (170) goats were Tuberculin tested and one hundred and thirty nine (139) Blood tested. One (1) goat showed a suspicious reaction.

RABIES

Under the Massachusetts Department of Public Health regulations Chapter 111, General Laws as amended by Chapter 265, Acts of 1938, Sections 6 and 7 "Dog Bite" is declared a disease dangerous to public health.

Chapter 129, Section 21 of the General Laws, was amended under Chapter 29, Acts of 1963 to read: "All dogs known to have bitten persons shall be quarantined for a period of ten (10) days for observation, at the end of which period, if no symptoms of rabies have developed, said animals may be released from quarantine on order of the Director.

Investigation of reported injuries inflicted to persons by biting dogs and the quarantining of such dogs is one of the duties of the Inspector of Animals.

One thousand two hundred and fifty-one (1,251) persons were bitten by stray animals. The brains of six hundred and ninety-six (696) animals were sent to Wassermann Laboratory for examination. Of that number five hundred and thirty-four (534) were reported to have bitten six hundred and eleven (611) persons.

The following tabulation is a record of bites inflicted by dogs and other animals.

RABIES

Bite Cases

	Released Quarantined Animals	Destroyed No Examina- tion	Heads to Laboratory NEGATIVE	Heads to Laboratory POSITIVE	Heads to Laboratory UNSATIS- FACTORY
<u>1971</u>					
July	1,647	7	60		15
August	1,449	5	101	1	26
September	1,235	1	47	2	9
October	1,072	1	53	1	16
November	1,098	4	22		3
December	721	3	29		3
<u>1972</u>					
January	784	1	23		
February	619		39		7
March	791		42		3
April	1,026		44		1
May	1,545	8	52		7
June	1,881	7	80	2	8
TOTALS	13,868	37	592	6	98

RABIES
Bite Cases --- Fiscal Year 1972

	Released Quarantined Animals	Destroyed No Examina- tion	Heads to Laboratory NEGATIVE	Heads to Laboratory POSITIVE	Heads to Laboratory UNSATIS- FACTORY
Dogs	13,186	37	145		7
Bats			56	6	36
Cats	418		119		8
Chipmunks	5		28		5
Coati-Mundi	1				
Cows			2		
Dolphins	1				
Flying Squirrels					1
Foxes			5		
Gerbils	69		18		4
Goats	1				
Gray Foxes			1		
Gray Squirrels			2		
Guinea Pigs	9		3		1
Hamsters	37		37		7
Horses	12		2		
Lizards	1				
Mice	30		15		9
Moles			2		
Monkeys	23		1		1
Mules	1				
Muskrats					2
Opossums			1		
Otters			1		
Pet Mice			1		
Pet Rabbits			4		
Pet Squirrels	1				
Pet White Mice			2		
Ponies	1		1		
Rabbits	34		20		2
Raccoons	12		18		1
Rats	9		15		
Red Foxes			1		
Red Squirrels			4		
Shrews					1
Skunks	6		10		1
Squirrels	8		57		5
Squirrel Monkeys			1		
Voies			15		7
White Mice	1				
White Rats	2		4		
Woodchucks			1		
TOTALS	13,868	37	592	6	98

CATTLE IMPORTS

7/1/71

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6/30/72

California	31	Nebraska	2
Canada	1041	New Hampshire	492
Colorado	2	New Jersey	7
Connecticut	1210	New York	3223
Georgia	36	North Dakota	16
Indiana	20	Ohio	13
Iowa	48	Pennsylvania	89
Maine	1656	Rhode Island	144
Maryland	90	Vermont	806
Minnesota	10	Virginia	22
Missouri	20	West Virginia	1
Montana	2	Wisconsin	53

TOTAL - 9,034

Eight hundred and twenty-three (823) permits were issued covering nine thousand and thirty-four (9,034) head of cattle.

EXPORTS

JULY 1, 1971 - JUNE 30, 1972

Interstate certificates of health were issued on six thousand two hundred seventy (6,270) head of cattle; thirty four (34) goats; forty four (44) sheep; and thirty eight (38) swine, exported to other states and countries, as follows:

CATTLE

<u>DESTINATION</u>	<u>HEAD</u>	<u>DESTINATION</u>	<u>HEAD</u>
California	1	Minnesota	2
Canada	35	Mississippi	14
Colorado	30	Missouri	467
Connecticut	1,208	Nebraska	35
Florida	158	New Hampshire	343
Georgia	7	New Jersey	3
Guatemala	8	New York	986
Honduras	4	Ohio	14
Illinois	2	Oklahoma	716
Indiana	6	Pennsylvania	101
Iowa	221	Rhode Island	594
Italy	10	South Carolina	68
Kansas	8	South Dakota	22
Kentucky	14	Tennessee	6
Korea	2	Vermont	943
Maine	104	Virginia	123
Maryland	4	Wisconsin	6
Michigan	5		
		Total	6,270

GOATS

Greece	18
Kentucky	12
Oregon	4
Total	34

SWINE

Canada	1
Connecticut	11
Kentucky	2
Maine	6
New Hampshire	2
South Dakota	16
Total	38

SHEEP

Kentucky	8
New Hampshire	10
Pennsylvania	6
Rhode Island	11
South Dakota	9
Total	44

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LICENSING OF PET SHOPS

In Accordance with Chapter 129, Section 39A
of the General Laws

Chapter 993, Acts of 1971

July 1, 1971 to June 30, 1972

	<u>Applications Received</u>	<u>Licenses Issued</u>
July 1971	0	0
August 1971	0	0
September 1971	0	0
October 1971	0	0
November 1971	0	0
December 1971	0	0
January 1972	1	0
February 1972	0	0
March 1972	4	0
April 1972	6	0
May 1972	107	0
June 1972	110	228
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Total	228	228

PERMITS TO FEED GARBAGE TO SWINE

VESICULAR EXANTHEMA PROGRAM
Chapter 655 - Acts of 1953

Fiscal Year 1972

July 1, 1971 - June 30, 1972

Permits Issued

July	1971	1
August	"	1
September	"	0
October	"	1
November	"	0
December	"	0
January	1972	157
February	"	11
March	"	5
April	"	3
May	"	2
June	"	0
Total		181

LICENSE TO DEAL IN PORCINE ANIMALS

In accordance with General Laws, Chapter 129, Secs. 39, 40, and 43, as amended by Chapter 312, Acts of 1971, the following licenses and license plates for swine dealers' trucks were issued in June 1972:

<u>License No.</u>	<u>No. of License Plates</u>
1	4
2	1
3	1
4	2
5	1
6	1
7	1
8	2
9	1
Totals	14

EQUINE CERTIFICATION

July 1, 1971 - June 30, 1972

During the fiscal year 1972, we issued four hundred and forty-nine (449) Certifications of Equine Examination for eight hundred and thirty-two (832) horses leaving the State of Massachusetts for Shows, Fairs and Races.

We received five hundred and eighty-two (582) Certifications of Equine Examination for one thousand and six hundred and seventy-four (1,674) horses that came into the State for Exhibition, Racing and Breeding. These horses came from forty-two (42) States and Canada and West Germany, Ireland and Brazil.

EQUINE INFECTIOUS ANEMIA

There were eight (8) cases of Equine Infectious Anemia (Swamp Fever) that proved positive to the Coggins Test.

EQUINE ENCEPHALOMYELITIS

We received reports of ten (10) cases of Equine Encephalomyelitis confirmed by the Public Health Laboratory; horses either died or were destroyed.

MISCELLANEOUS DISEASES

PULLORUM	5 flocks of birds were quarantined and later released.
LARYNGOTRACHEITIS	3 flocks of poultry and 500 quail quarantined and released.
ORNITHOSIS	1 flock of turkeys quarantined and released.
SCRAPIE	150 sheep - 18 goats quarantined and slaughtered.

QUARANTINE STATION AT LITTLETON

Total number of livestock received at the Farmers Live Animal Market Exchange in Littleton from July 1, 1971 to June 30, 1972 was as follows:

Cattle	18,259
Calves	16,929
Swine	29,236
Sheep	1,093
TOTAL	<u>65,517</u>

The following Massachusetts animals went through the chute:

Tuberculosis Suspects	16
Brucellosis Reactors	3
Brucellosis Suspects	6

In addition to FLAME in Littleton, the following animals were received and sold at the Livestock Auction in Easton and the Northampton Cooperative Auction Association, Inc. in Whately, Massachusetts:

<u>EASTON</u>		<u>WHATELY</u>	
Cattle	6,862	Cattle	4,692
Calves	7,156	Calves	11,445
Sheep and Goats	361	Sheep and Goats	1,127
TOTAL	<u>14,379</u>	Swine	2,571
		TOTAL	<u>19,835</u>

LICENSED DEALERS IN BOVINE ANIMALS

During the fiscal year 1972, there were one hundred and one (101) licenses issued to dealers in dairy and beef cattle, and one hundred and thirty-one (131) plates were sent out for use on the trucks operated by these dealers.

A total of six thousand, five hundred and thirty-seven (6,537) dairy cattle and five hundred and fifty (550) beef cattle were reported by licensed dealers as purchased and sold.

Regional meetings of Inspectors of Animals were held by the Director in the month of November in Northampton, Worcester and in our Boston office.

